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01423P0006US  
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
JOACHIM TIEMANN et al ) DOWELS AND METHODS FOR THE  
Serial No. 10/647,916 ) ASSEMBLY OF INSULATING PARTS  
Filed August 26, 2003 ) Group Art Unit 3722

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As indicated on the attached copy of the Filing Receipt, please correct the title to read "Dowels and Methods for the Assembly of Insulating Panels" instead of "Dowles and Methods for the Assembly of Insulating Panels" as shown on the first page of the application as filed (copy attached).

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37 CFR 1.8  
CERTIFICATE OF MAILING

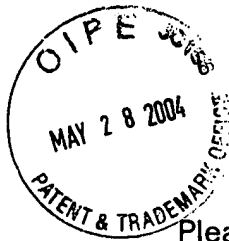
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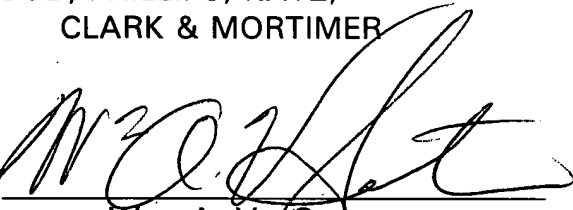


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Please send us a corrected Filing Receipt properly listing the correct title of the invention.

Respectfully submitted,

WOOD, PHILLIPS, KATZ,  
CLARK & MORTIMER

By   
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May 25, 2004

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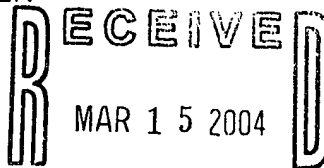
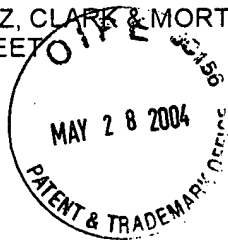
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UPDATED FILING RECEIPT



OC000000012054805\*



Date Mailed: 03/09/2004

WOOD, PHILLIPS, ET AL

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

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Foreign Applications

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Non-Publication Request: No

Early Publication Request: No

Title

Dowels

Dowels and methods for the assembly of insulating panels

Preliminary Class

## **DOWELS AND METHODS FOR THE ASSEMBLY OF INSULATING PANELS**

### **FIELD OF THE INVENTION**

The present invention relates to a dowel, a process and further to devices for mounting insulating plates on a substructure, wherein the dowel includes a pressing plate and a dowel sleeve attached to said pressing plate for taking up an expansion  
5 element having an expansion element head, wherein the dowel sleeve comprises an expansion zone, and wherein a recess is formed in the insulating plate by the dowel itself during mounting.

### **BACKGROUND OF THE INVENTION**

Conventional dowels for mounting insulating plates have the disadvantage, that  
10 they cannot entirely prevent the formation of thermal bridges, which also applies for dowels having a plastic coat or heads made of plastic. Substantially, this results from the diversity of the materials of which the insulating material on the one hand and the dowel on the other hand are made. This diversity may also lead to undesirable dowel show-through in the plaster layer at the outer walls, especially  
15 when exposed to moisture and wetness. This disadvantage occurs frequently when applying basic plaster qualities. To achieve a better thermal insulation and to avoid dowel show-through in the plaster layer, a sunk-in mounting of the dowel in the insulating plate has been suggested.

A process where a recess is formed in the insulating plate for taking up the dowel,  
20 simultaneously with the drilling of the bore-hole for the dowel is known from EP 0 086 452. In this case, a recess corresponding to the diameter of the pressing plate is